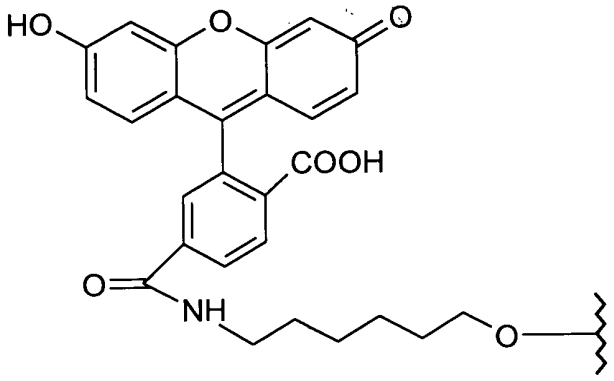
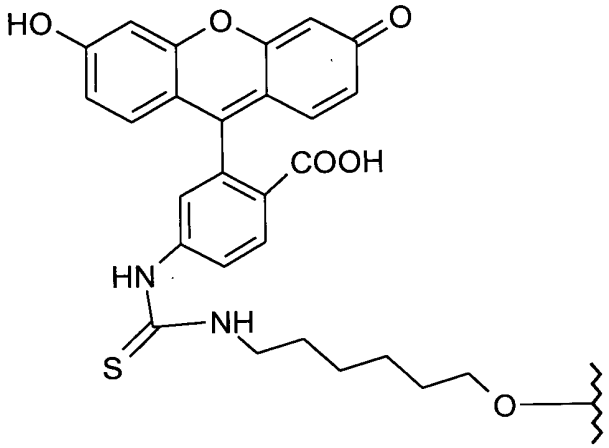
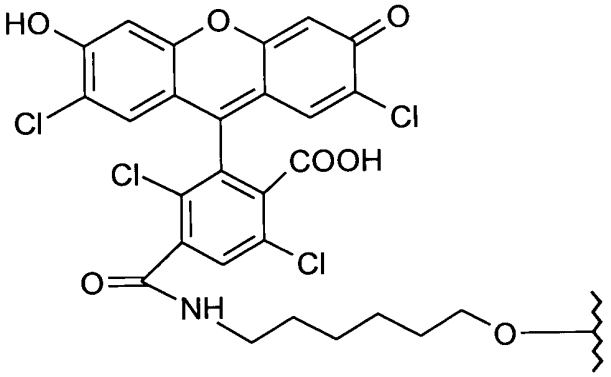
Fig. 1a:



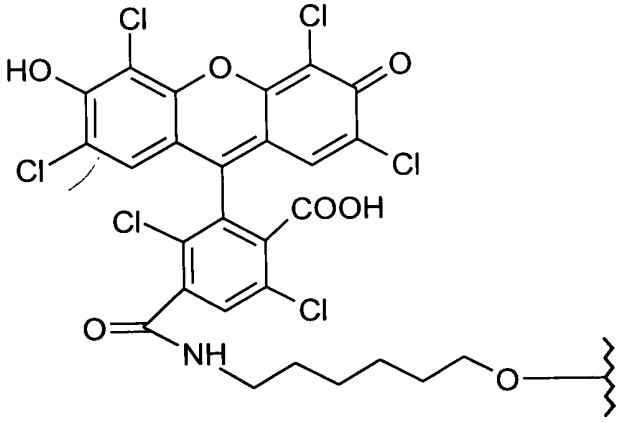
Fluorescein (Amide)



Fluorescein (Thiourea)

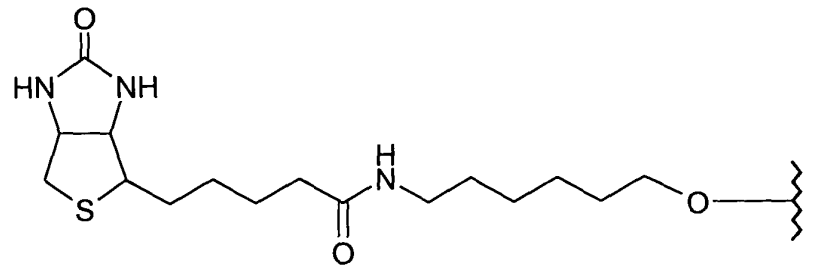


Tetrachlorofluorescein

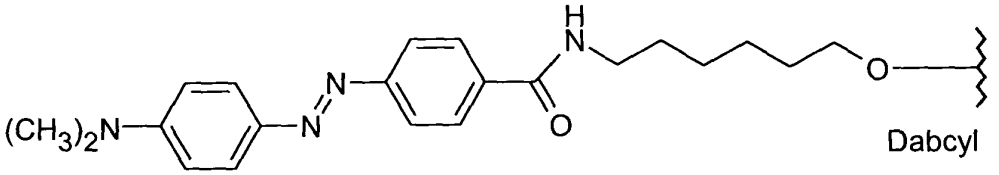


Hexachlorofluorescein

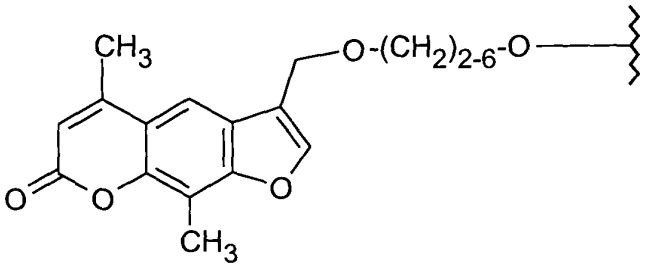
Fig. 1b:



Biotin

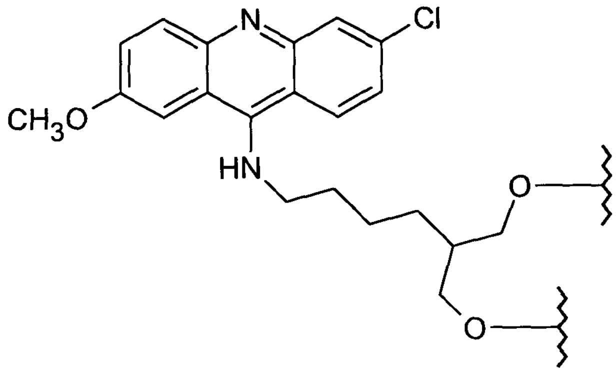


Dabcyl

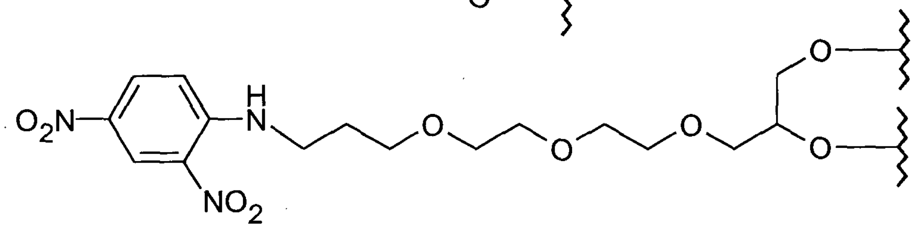


Psoralen

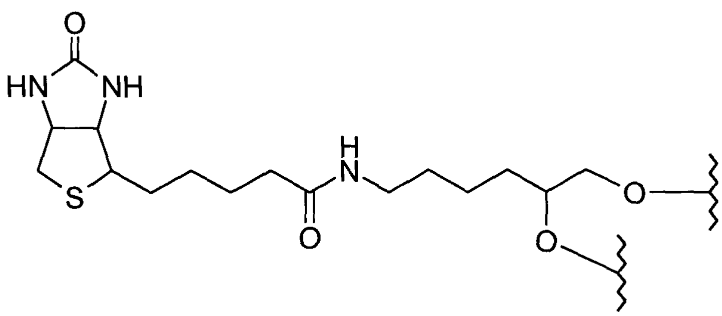
Fig. 2a:



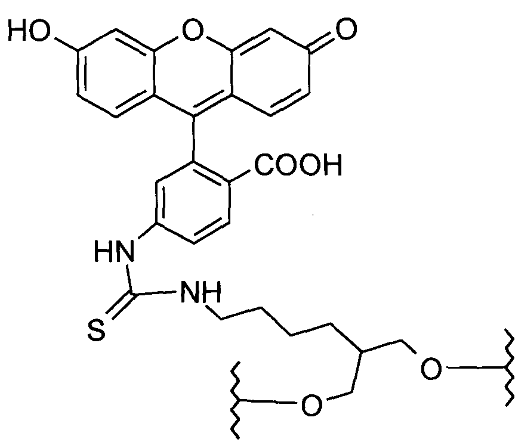
Acridin



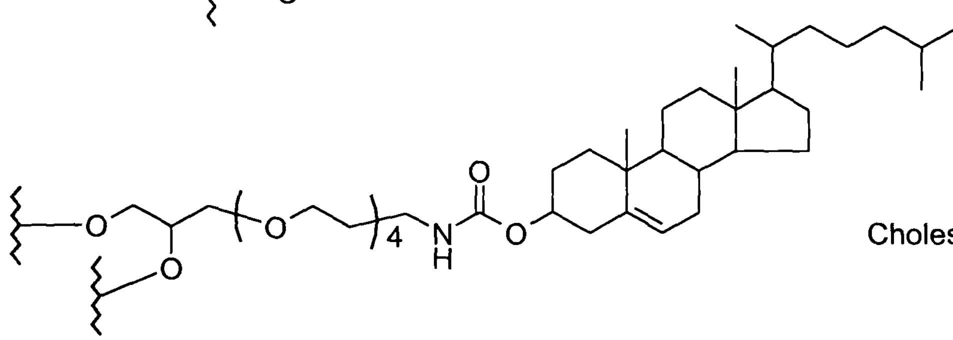
DNP



Biotin

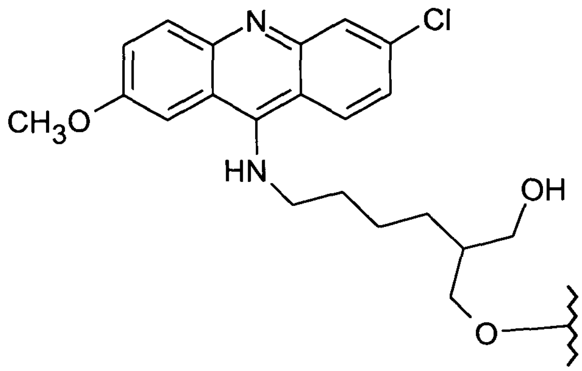


Fluorescein (Thiourea)

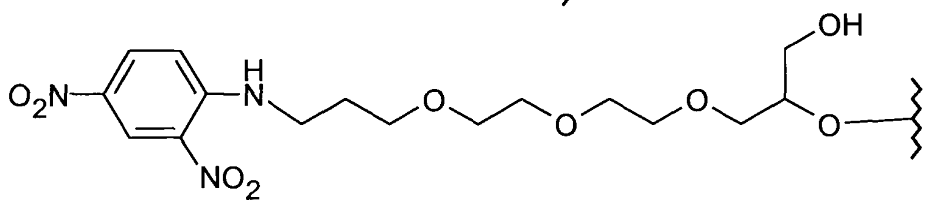


Cholesterol

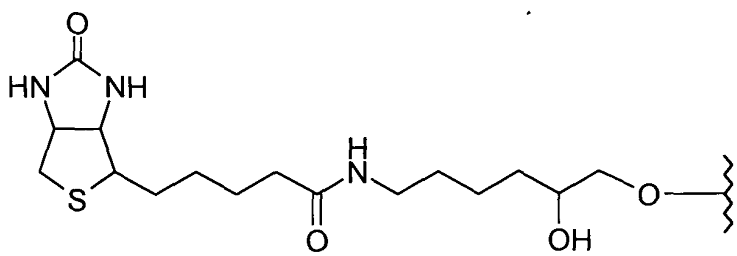
Fig. 2b:



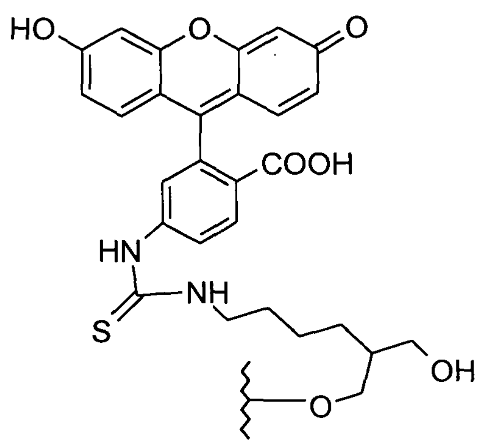
Acridin



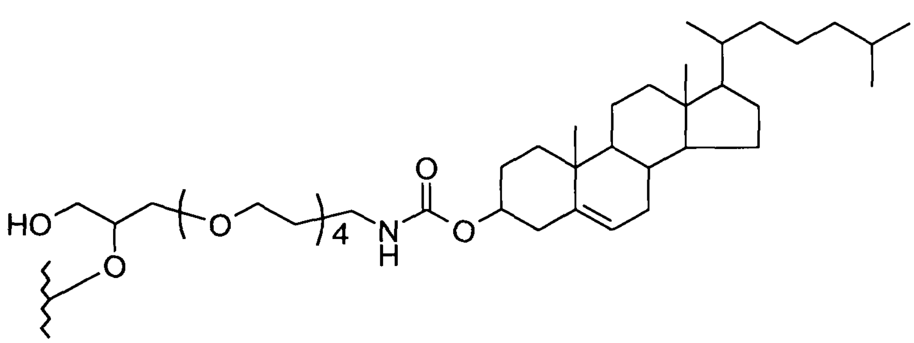
DNP



Biotin



Fluorescein
(Thiourea)



Cholesterol

Fig. 3a:

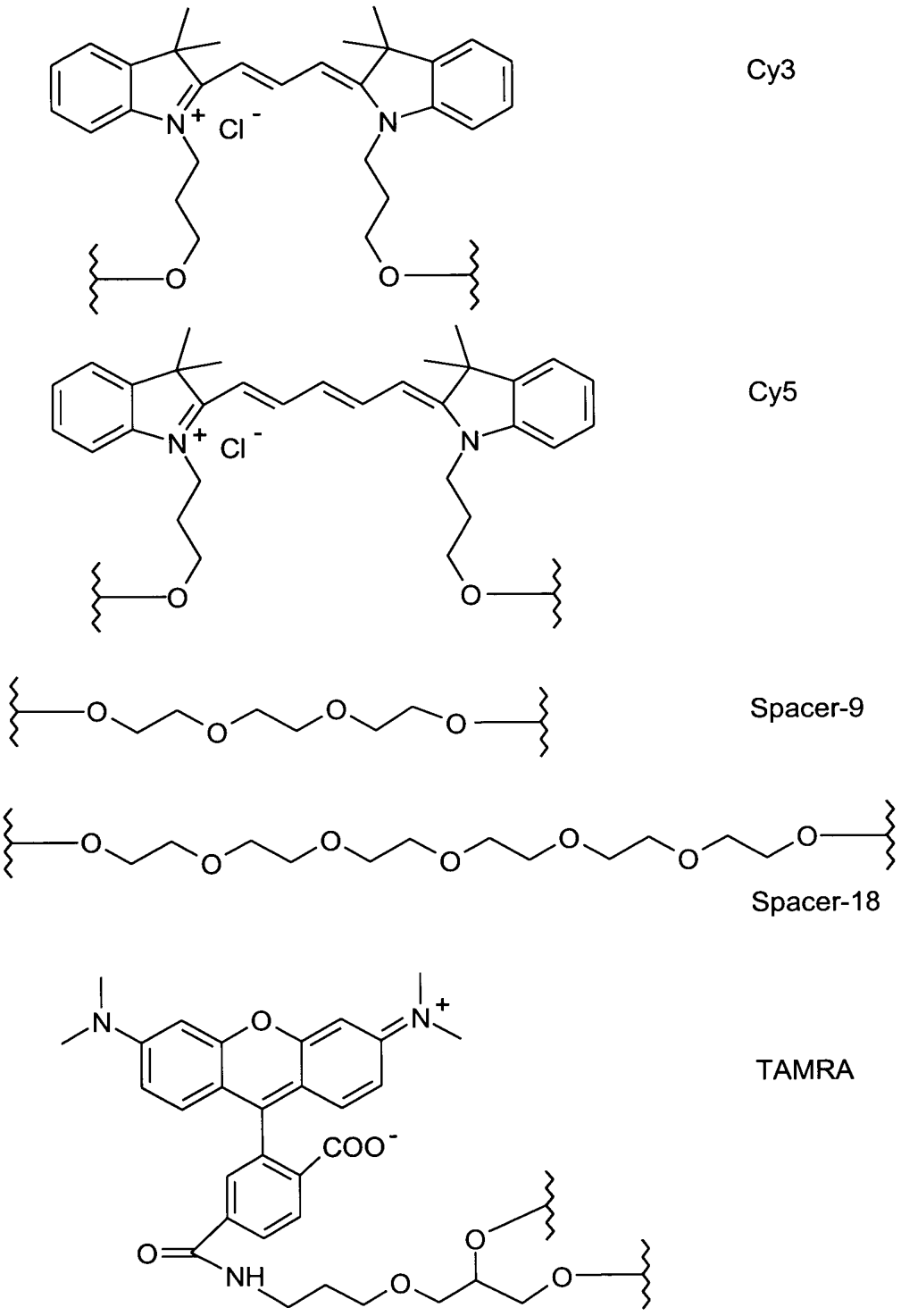
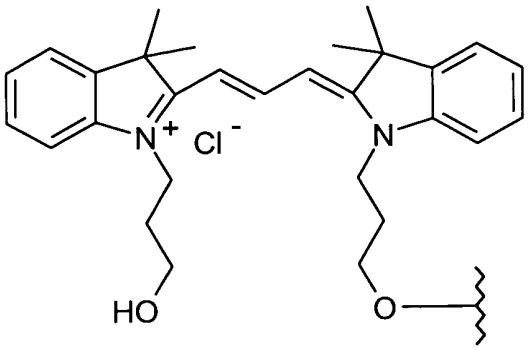
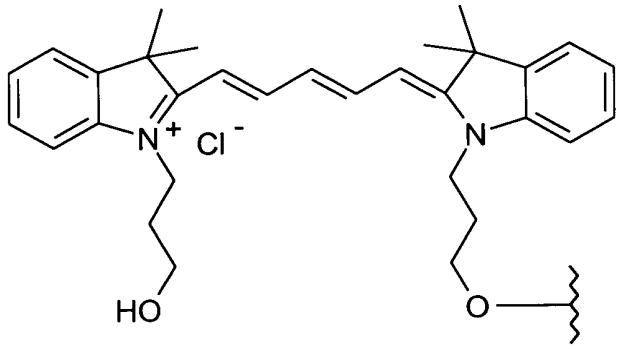


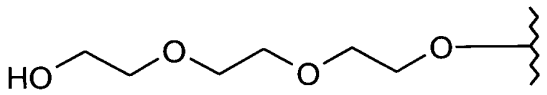
Fig. 3b:



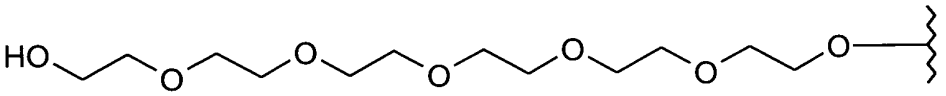
Cy3



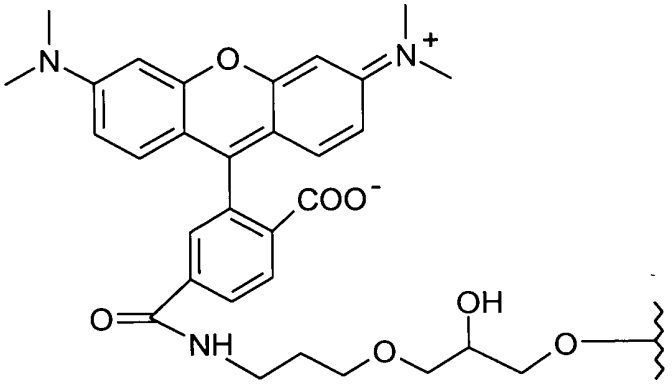
Cy5



Spacer-9

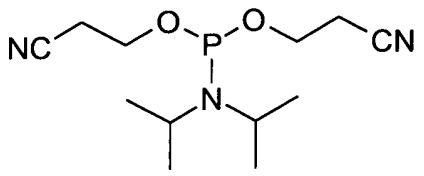


Spacer-18

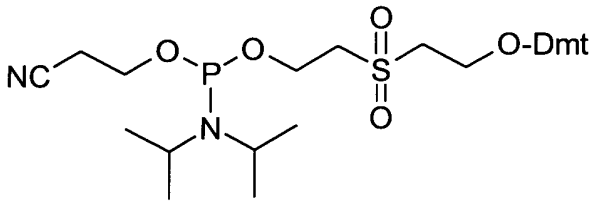


TAMRA

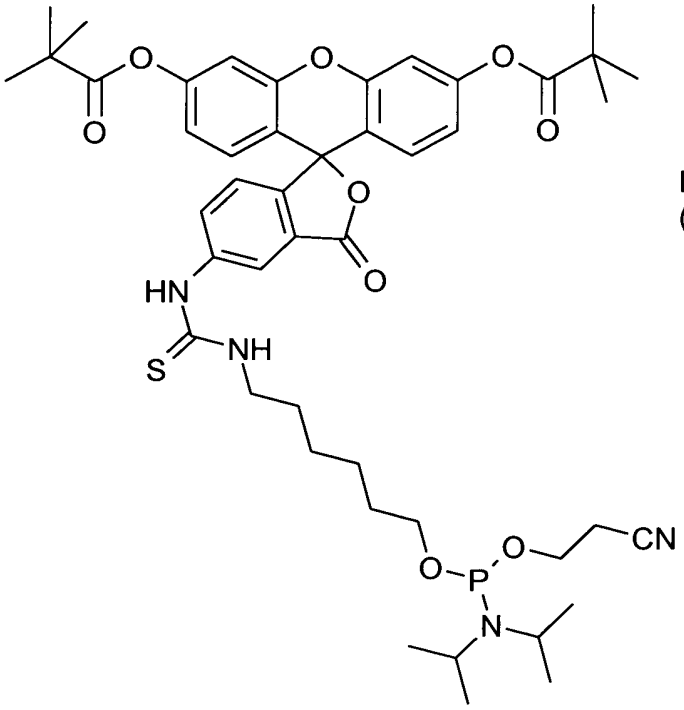
Fig. 4a:



Phosphorylating reagent 1

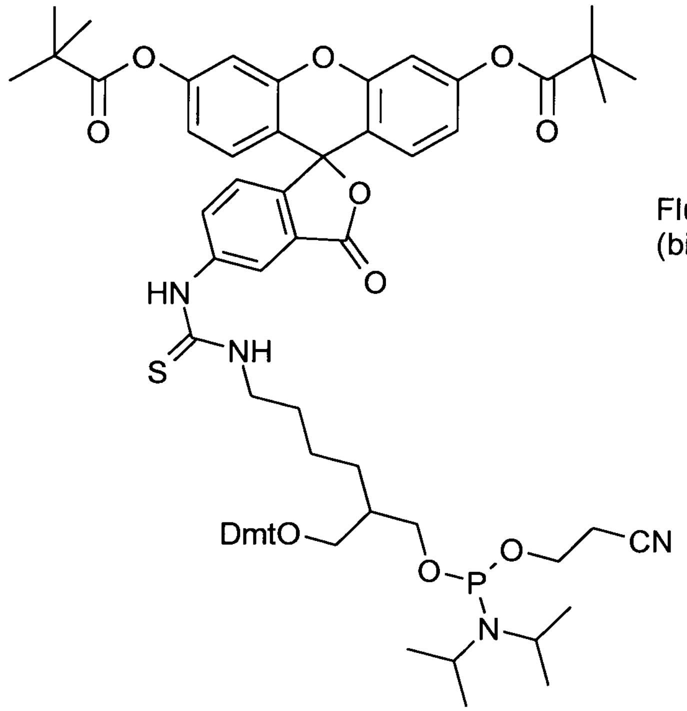


Phosphorylating reagent 2

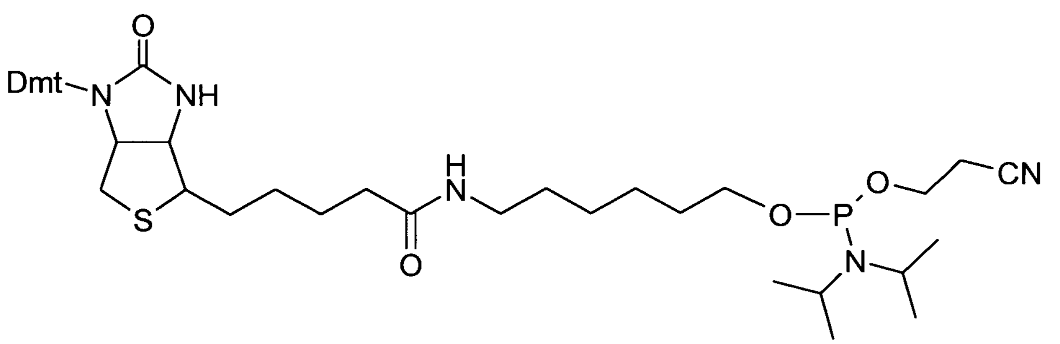


Fluorescein phosphoramidit 3
(monofunctional)

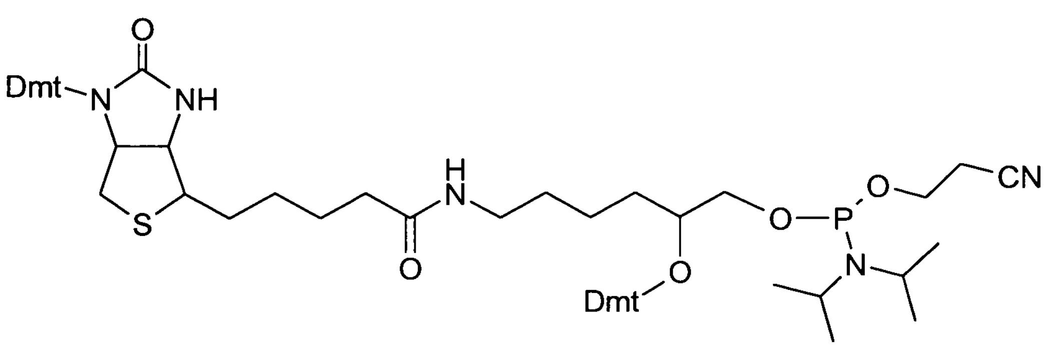
Fig. 4b:



Fluorescein phosphoramidit 4 (bifunctional)

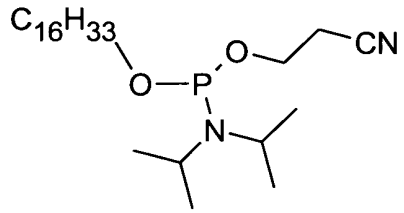


Biotin phosphoramidit 5 (monofunctional)

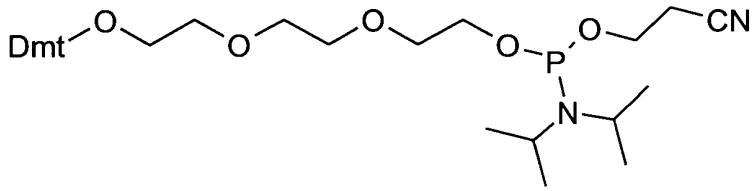


Biotin phosphoramidit 6 (bifunctional)

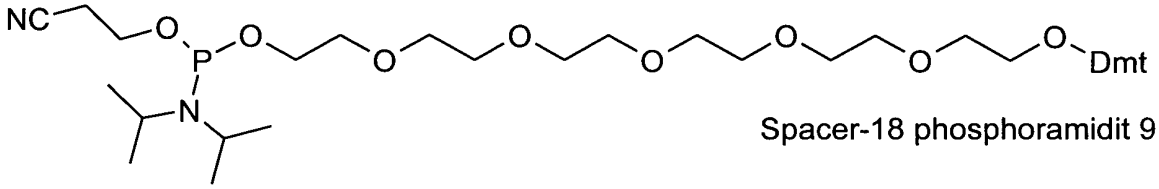
Fig. 4c:



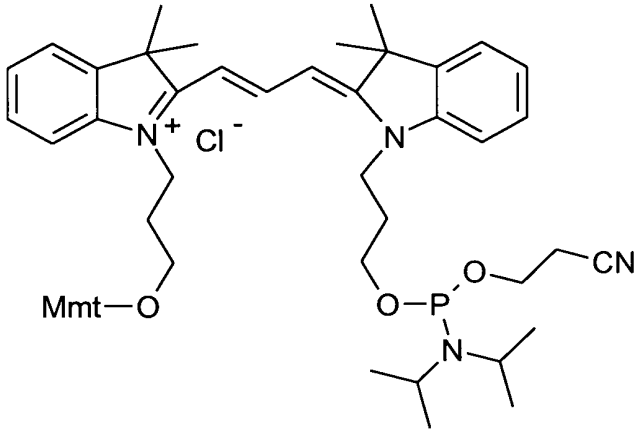
C16-phosphorylating reagent 7



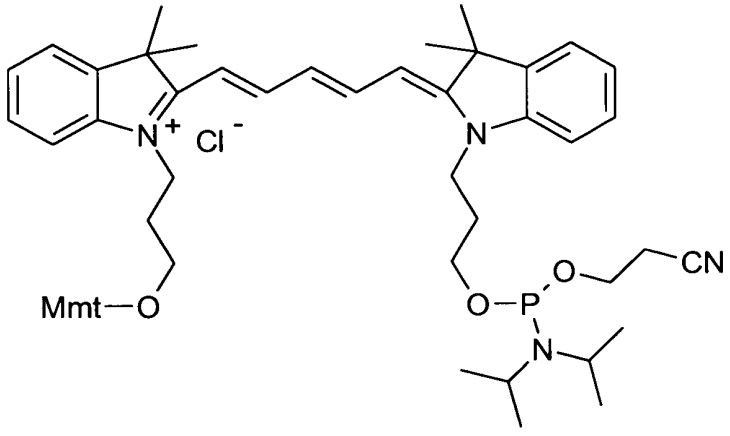
Spacer-9 phosphoramidit 8



Spacer-18 phosphoramidit 9

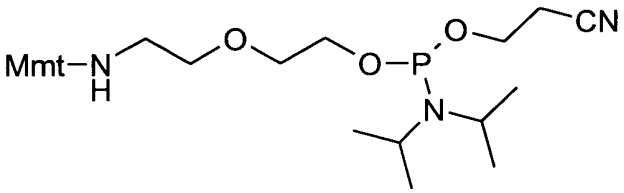


Cyanin-3 phosphoramidit 10

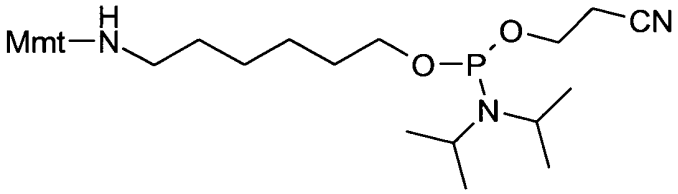


Cyanin-5 phosphoramidit 11

Fig. 4d:

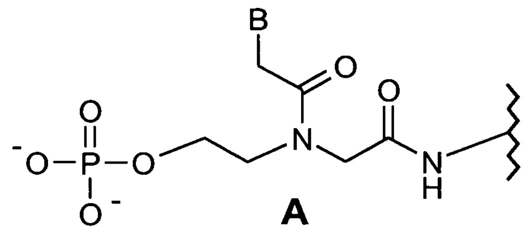


Aminomodifier-5
phosphoramidit 12

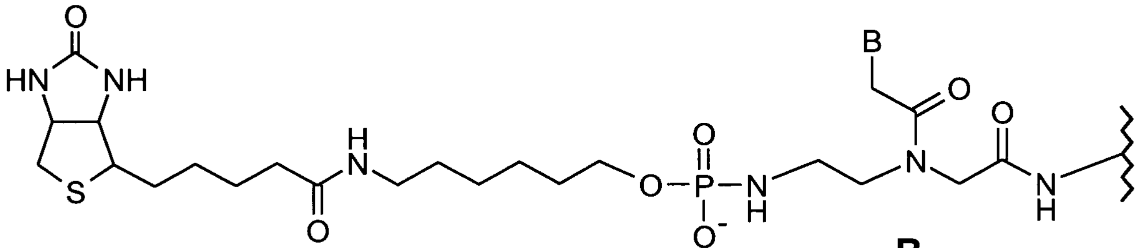


Aminomodifier-C6
phosphoramidit 13

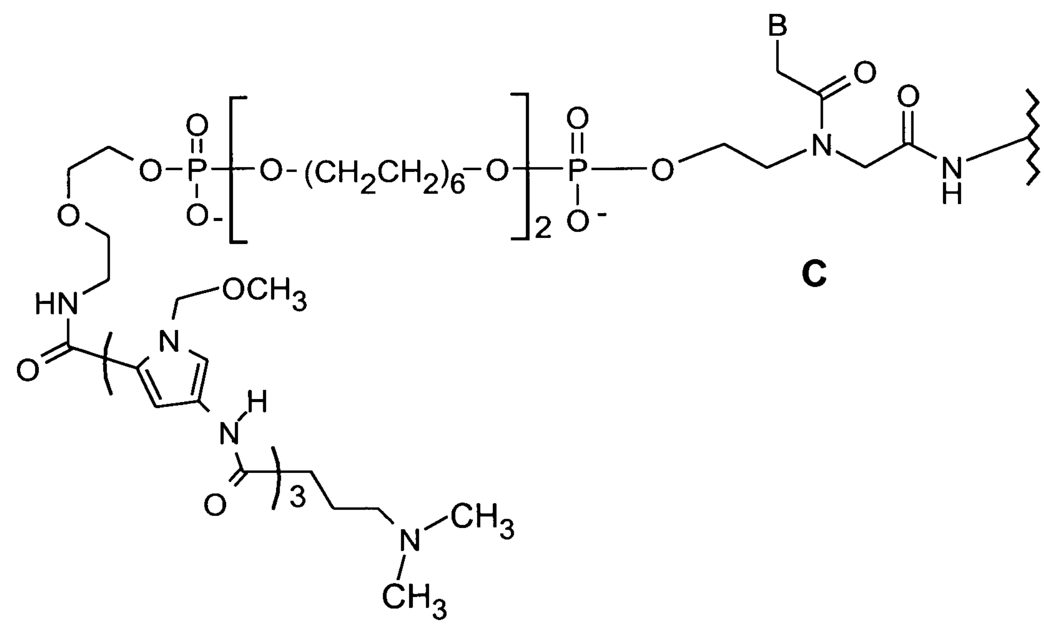
Fig. 5a:



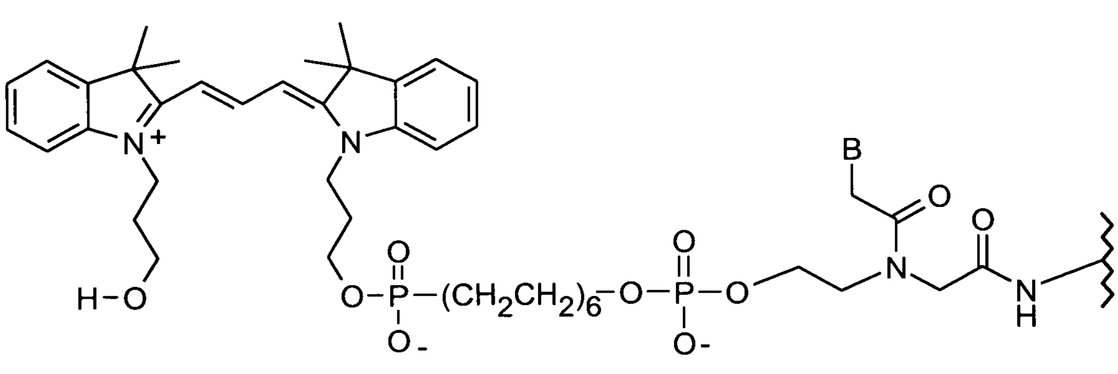
A



B

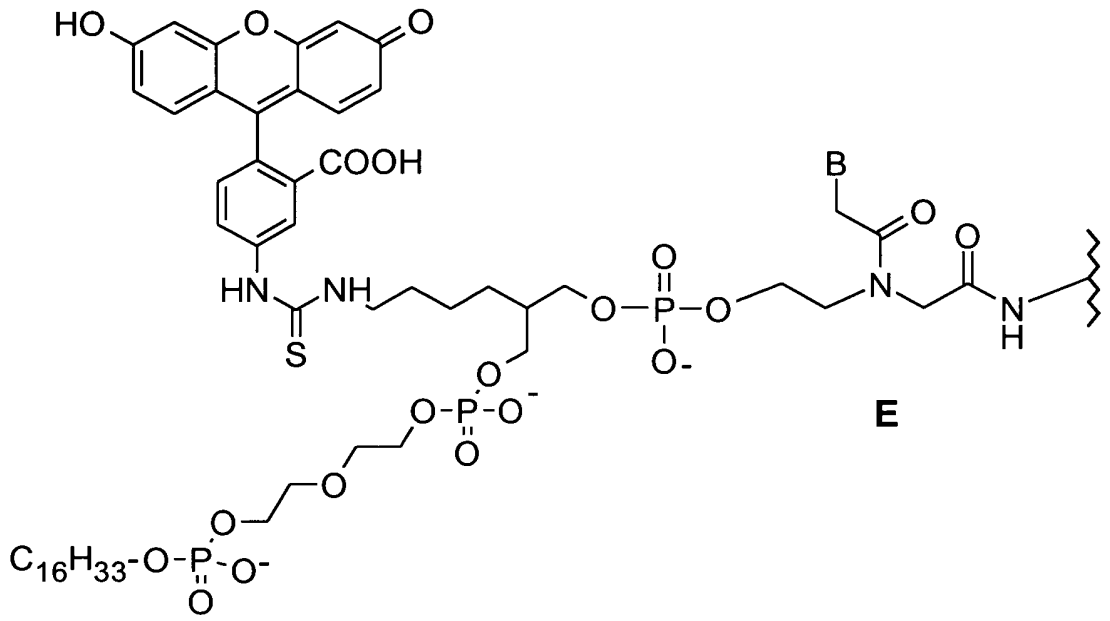


C

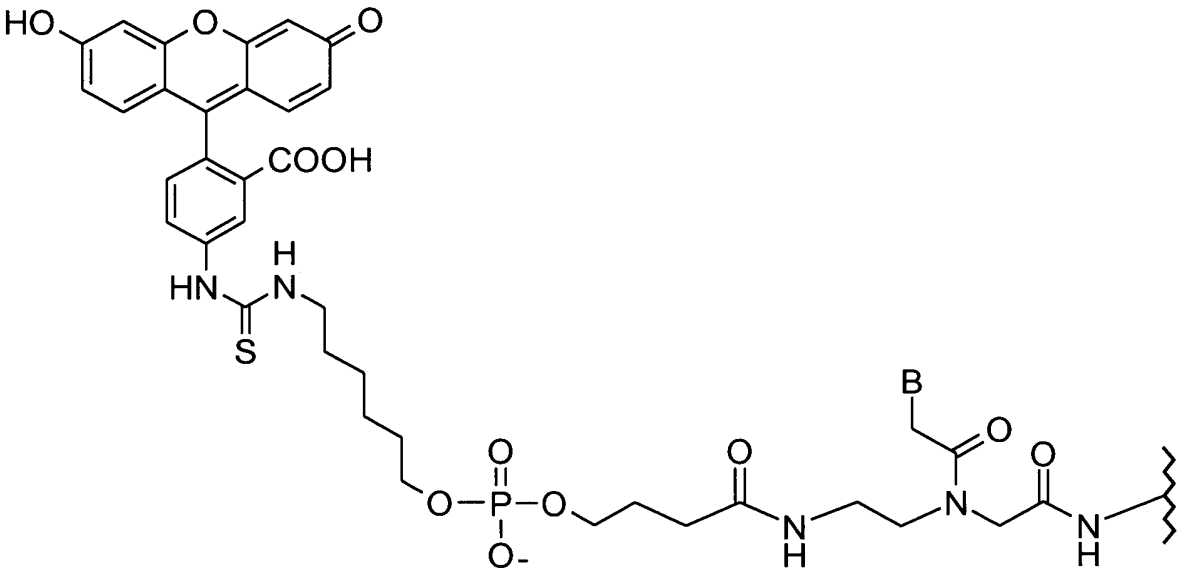


D

Fig. 5b:

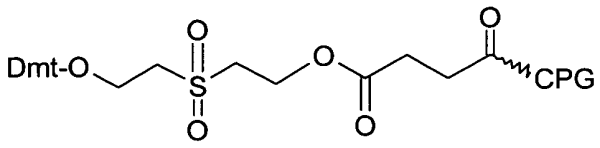


E

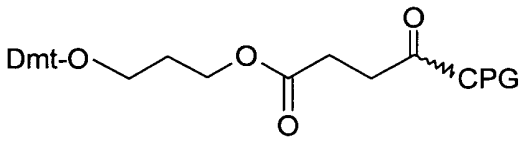


F

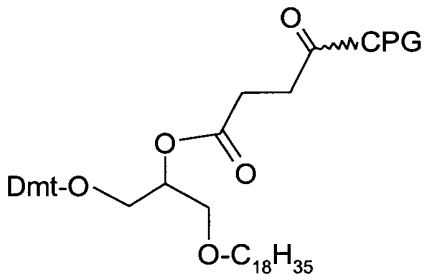
Fig. 6:



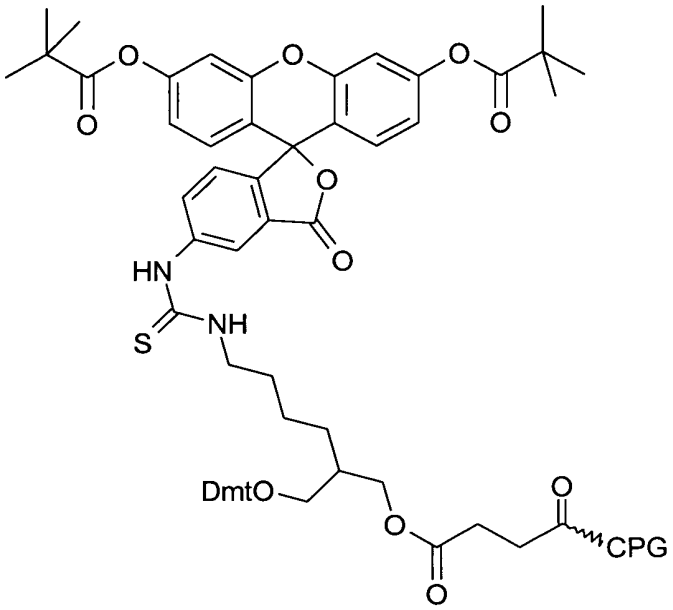
Bishydroxyethylsulfonyl support 1



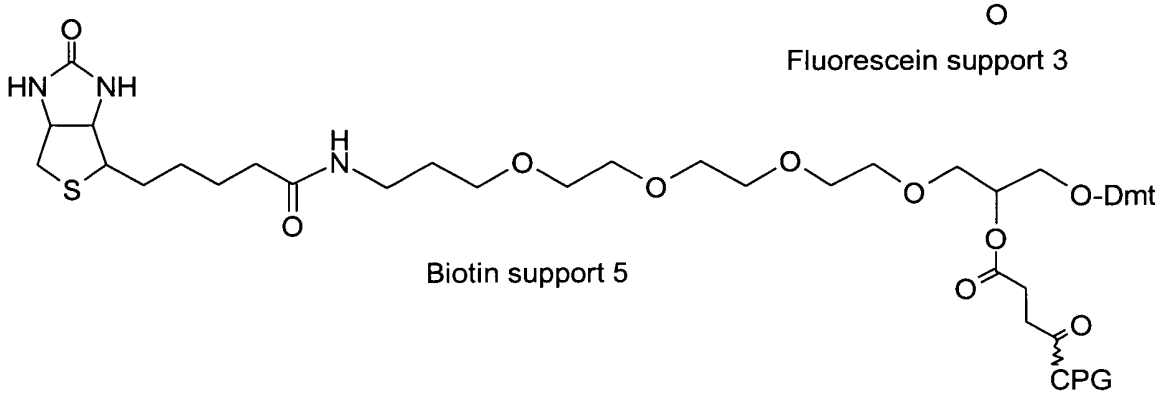
3'-Spacer-C3 support 2



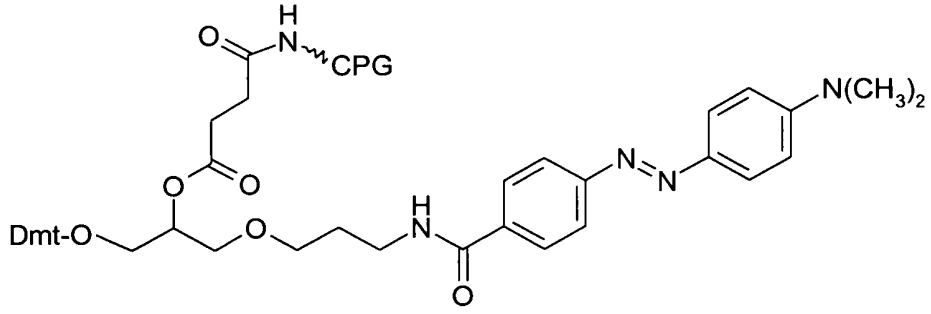
3'-Batyl support 4



Fluorescein support 3



Biotin support 5



DABCYL support 6

Fig. 7:

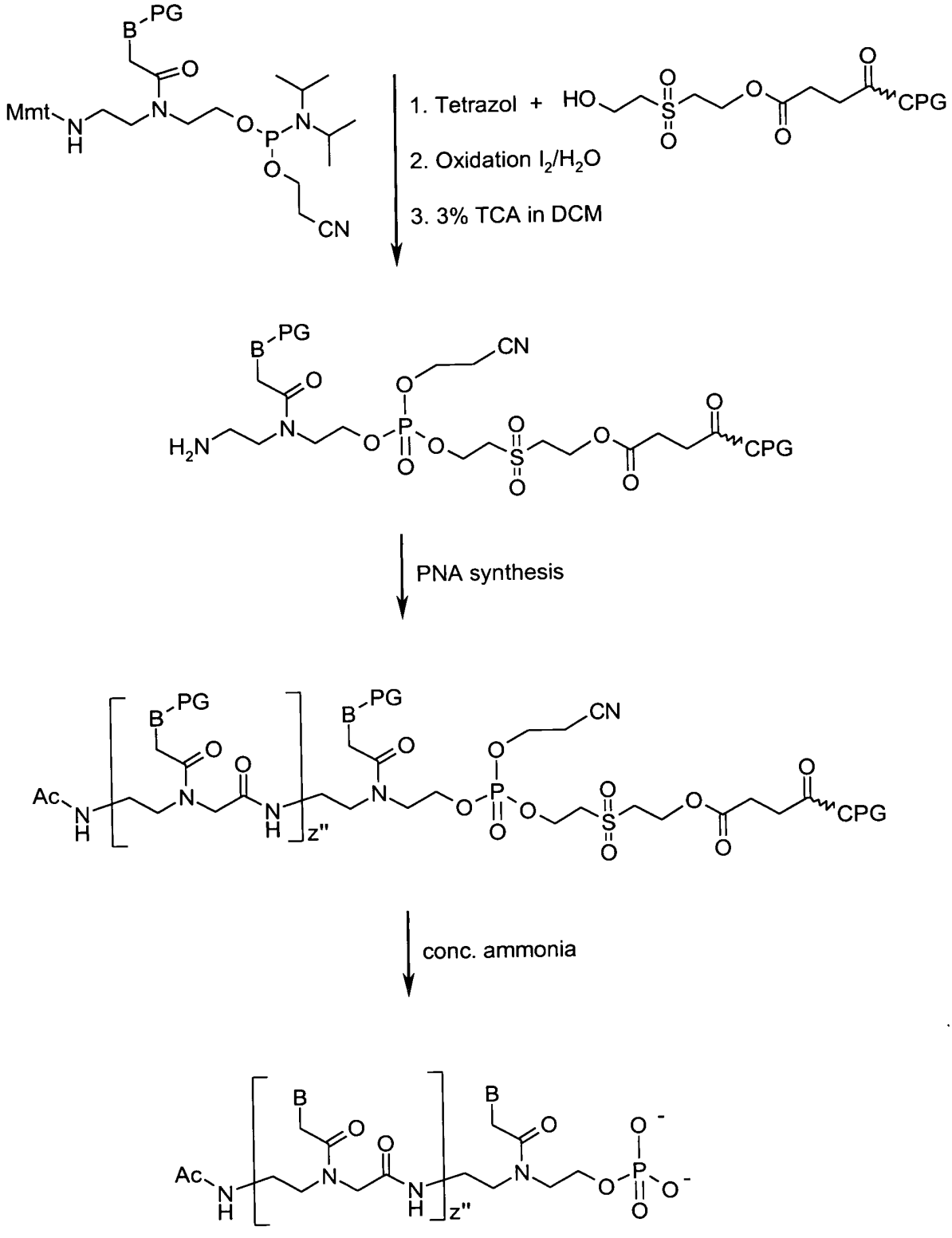


Fig. 8:

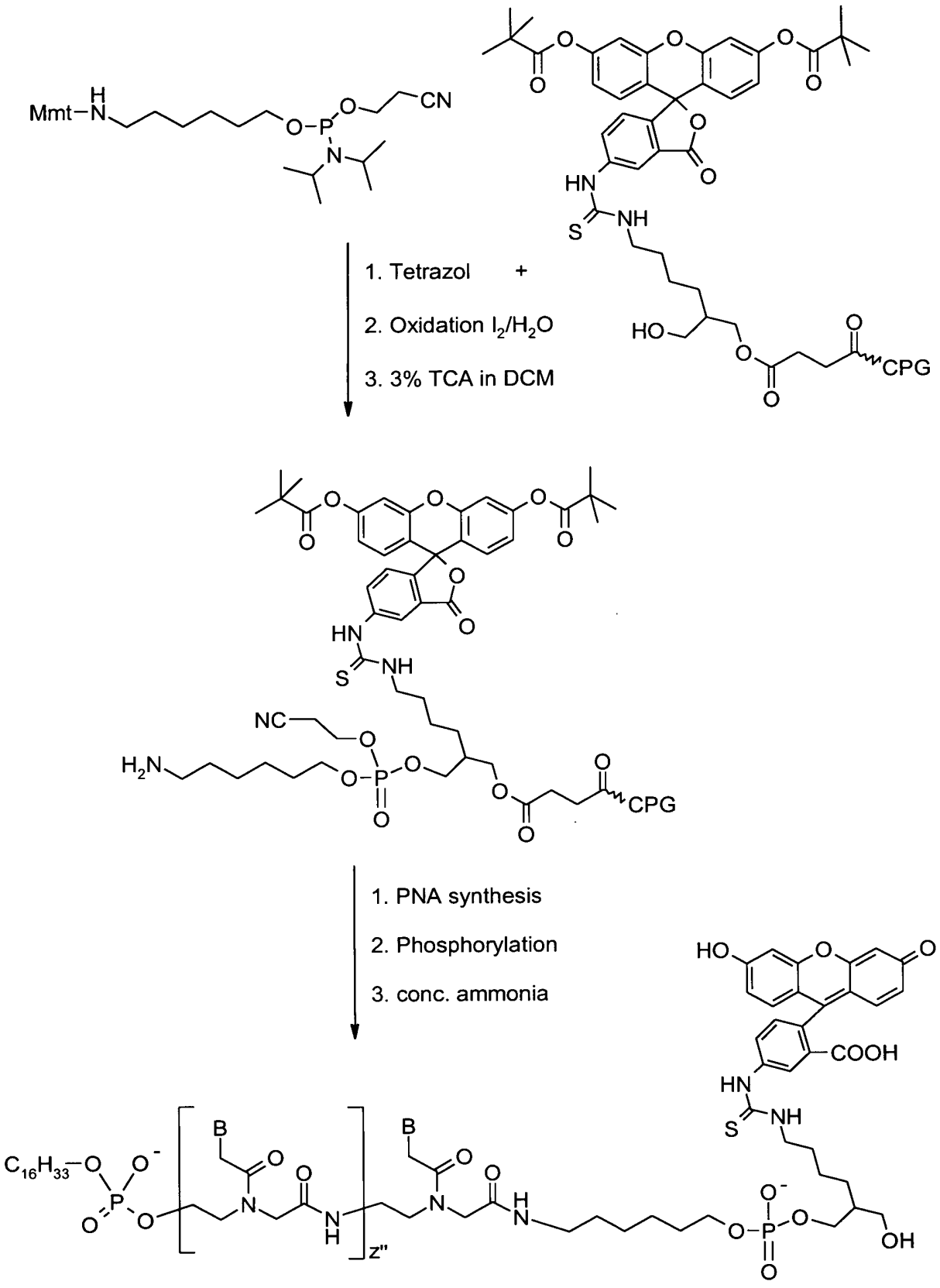


Fig. 9: